

What is claimed is:

1. A method of controlling emissions during asphalt paving, the method comprising:
spraying an asphalt substance on a surface while moving over the surface, wherein the asphalt substance produces emissions upon contacting the surface; and
releasing a liquid agent so that molecules of the liquid agent mix with particles in the emissions to reduce at least one of smoke and odor.
2. The method of Claim 1, wherein the liquid agent comprises a lipid.
3. The method of Claim 1 further comprising mixing a liquid agent with water at a volumetric water-to-liquid agent ratio of between about 10:1 and about 50:1.
4. The method of Claim 1, wherein the liquid agent comprises at least one of alkyl dimethyl benzyl ammonium chloride, alkyl dimethyl ethyl benzyl ammonium chloride, cherry oil, and water.
5. The method of Claim 1 further comprising pressurizing the liquid agent to about 200-600 psia, so that the liquid agent forms a mist upon being released.
6. The method of Claim 1 further comprising spraying the asphalt substance at a rate that is approximately two orders of magnitude greater than the rate of releasing the liquid agent.
7. A method of controlling emissions from a moving emission source, the method comprising:
spraying an emission-causing substance on a surface while moving over the surface; and
releasing a liquid agent so that molecules of the liquid agent mix with particles in the emissions to reduce at least one of smoke and odor.
8. A method of controlling emissions from a moving emission source, the method comprising:

mixing an asphalt substance with water and a liquid agent to form a mixture, wherein the liquid agent forms an electrostatically charged film around water molecules; and

releasing the mixture onto a surface so that the asphalt substance is deposited on the surface and produce emissions, and particles in the emissions attach to the electrostatically charged film.

9. A system for controlling emissions during asphalt paving, the system comprising:
a first outlet for spraying an asphalt substance onto a surface while moving over the surface; and
a second outlet for releasing a liquid agent toward the surface, wherein the second outlet is positioned to mix the liquid agent with particles in the emissions, thereby reducing at least one of smoke and odor.
10. The system of Claim 9 further comprising:
a first tank storing the asphalt substance, wherein the first tank is connected to the first outlet with a first pipe; and
a second tank storing the liquid agent, wherein the second tank is connected to the second outlet with a second pipe.
11. The system of Claim 9, wherein the liquid agent is a lipid.
12. The system of Claim 9, wherein the liquid agent comprises at least one of alkyl dimethyl benzyl ammonium chloride, alkyl dimethyl ethyl benzyl ammonium chloride, cherry oil, and water.
13. The system of Claim 9, wherein there are a plurality of second outlets arranged on a distributor bar that extends across a width of the system.
14. The system of Claim 9 further comprising a fan, wherein the fan is positioned to enhance mixing of the liquid agent and the particles in the emissions.

15. The system of Claim 14, wherein the fan has a gas intake inlet positioned near a section of the system that is substantially free of emissions.
16. The system of Claim 14, wherein the a direction in which the fan faces is adjustable.
17. The system of Claim 14, wherein there are a plurality of fans located at different locations of the vehicle.
18. The system of Claim 9 further comprising a pump that pressurizes the liquid agent to a pressure between about 200 psia and about 600 psia before the releasing.
19. An asphalt paving vehicle having an emission control system, the vehicle comprising:
 - a first outlet spraying a hot asphalt substance on a surface, wherein the asphalt substance produces emissions in response to a change in temperature; and
 - a second outlet spraying a liquid agent toward the surface, such that the liquid agent attaches to the emissions to reduce at least one of smoke and odor.
20. A system for controlling emissions during asphalt paving, the system comprising:
 - a tank for holding a mixture of water, a liquid agent, and an asphalt substance; and
 - an outlet for spraying the mixture toward a surface while moving over the surface,wherein the liquid agent attaches to emissions produced by a temperature change in the asphalt substance.